

**MT40-4VI** **Reciprocating compressor, MT40JH4EVE**

Refrigerants: R22, Segment usage: Refrigeration MT, Compressor power supply

[V]: 400/3/50 460/3/60, Packing format: Single pack

**PRODUCT DETAILS**

|  |  |
|--|--|
| <b>Gross weight</b>                        | 28.88 Kilogram                         |
| <b>Net weight</b>                          | 27 Kilogram                            |
| <b>Volume</b>                              | 37.73 Liter                            |
| <b>EAN</b>                                 | 5702428839686                          |
| <b>Approval</b>                            | CCC<br>CE<br>UL<br>UKCA                |
| <b>Brand technique</b>                     | Reciprocating compressor               |
| <b>Capacity control</b>                    | Fixed speed                            |
| <b>China RoHS compliance</b>               | Out of scope                           |
| <b>Colour</b>                              | Blue                                   |
| <b>Compressor power supply [V]</b>         | 400/3/50 460/3/60                      |
| <b>Configuration code</b>                  | Single                                 |
| <b>Connection type</b>                     | Rotolock                               |
| <b>Cylinder</b>                            | 1                                      |
| <b>Description</b>                         | MT040-4                                |
| <b>Diameter [mm]</b>                       | 224 mm                                 |
| <b>Discharge connection height [mm]</b>    | 68 mm                                  |
| <b>Discharge connection pipe size [in]</b> | 1/2 in                                 |
| <b>Discharge connection size [in]</b>      | 1 in                                   |
| <b>Drawing number</b>                      | 8501025f                               |
| <b>Economizer</b>                          | No                                     |
| <b>EU RoHS compliance</b>                  | Yes with exemptions                    |
| <b>EU RoHS exemption clause</b>            | 6(a), 6(a)-I, 7(a), 7(c)-I, 8(b), 9(b) |
| <b>Factory HP [bar]</b>                    | 25 bar                                 |
| <b>Factory LP [bar]</b>                    | 25 bar                                 |
| <b>Family</b>                              | MT                                     |
| <b>Fitting remark</b>                      | (shipped with rotolock version only)   |
| <b>Fitting sleeve</b>                      | ODF                                    |
| <b>Fitting standard</b>                    | Rotolock                               |
| <b>Frequency [Hz]</b>                      | 50/60                                  |
| <b>Gauge port HP</b>                       | None                                   |
| <b>Gauge port LP</b>                       | Schrader                               |
| <b>Glass mounting</b>                      | Threaded                               |
| <b>Glass torque [Nm]</b>                   | 50 N-m                                 |
| <b>GP LP torque [Nm]</b>                   | 15 N-m                                 |
| <b>High Side TS Max</b>                    | 150 °C                                 |
| <b>High Side TS Min</b>                    | -35 °C                                 |

## PRODUCT DETAILS

|   |                             |
|---|-----------------------------|
| High Side Volume                          | 0.3 L                       |
| High value of nominal voltage at 50Hz [V] | 400 V                       |
| High value of nominal voltage at 60Hz [V] | 460 V                       |
| High value of voltage range at 50Hz [V]   | 460 V                       |
| High value of voltage range at 60Hz [V]   | 506 V                       |
| In scope of WEEE and contain batteries    | No                          |
| IP protection class                       | IP55 (with cable gland)     |
| Low Side TS Max                           | 50 °C                       |
| Low Side TS Min                           | -35 °C                      |
| Low Side Volume                           | 7.5 L                       |
| Low value of nominal voltage at 50Hz [V]  | 380 V                       |
| Low value of nominal voltage at 60Hz [V]  | 460 V                       |
| Low value of voltage range at 50Hz [V]    | 340 V                       |
| Low value of voltage range at 60Hz [V]    | 414 V                       |
| LRA                                       | 38 A                        |
| Max pressure (PS) - high side             | 29.4 bar                    |
| Max pressure (PS) - low side              | 18.4 bar                    |
| MCC                                       | 10 A                        |
| Model number                              | MT40JH4EVE                  |
| Motor protection                          | Internal overload protector |
| Mounting torque [Nm]                      | 15 N-m                      |
| Network power supply [V/Ph/Hz]            | 380-415/3/50 460/3/60       |
| Number of starts per hour [Max]           | 12                          |
| Oil charge [L]                            | 0.95 L                      |
| Oil equalization                          | 3/8" flare SAE              |
| Oil equalization torque [Nm]              | 30 N-m                      |
| Oil reference                             | 160P                        |
| Packaging height [mm]                     | 385 mm                      |
| Packaging length [mm]                     | 330 mm                      |
| Packaging weight [Kg]                     | 28 kg                       |
| Packaging width [mm]                      | 295 mm                      |
| Packing format                            | Single pack                 |
| Packing quantity                          | 1                           |
| Phase                                     | 3                           |
| Power connections                         | Spade                       |
| Product group                             | Hermetic compressors        |
| Product Name Description                  | Reciprocating compressor MT |
| REACH Candidate List substances           | Lead (CAS no. 7439-92-1)    |
| Refrigerant charge [kg] [Max]             | 2.5 kg                      |
| Refrigerants                              | R22                         |
| Rotational speed at 50Hz [rpm]            | 2900 rpm                    |
| Rotational speed at 60Hz [rpm]            | 3500 rpm                    |

**Product Detail | Reciprocating compressor, MT40JH4EVE****PRODUCT DETAILS**

|   |   |
|---|---|
| <b>SCIP dossier no.</b>   | 5a332c1b-1d1b-4998-8115-d0929877ecb4                            |
| <b>Segment usage</b>  | Refrigeration MT  |
| <b>Shipped fittings</b>   | Suction and discharge solder sleeves, rotolock nuts and gaskets |
| <b>Shipped instructions</b>   | Installation instructions                                       |
| <b>Shipped mounting</b>   | Mounting kit with grommets, bolts, nuts, sleeves and washers    |
| <b>Shipped oil</b>  | Initial oil charge  |
| <b>Suction connection height [mm]</b>   | 263 mm  |
| <b>Suction connection material</b>  | -   |
| <b>Suction connection pipe size [in]</b>  | 5/8 in  |
| <b>Suction connection size [in]</b>   | 1 1/4 in  |
| <b>Swept volume [cm<sup>3</sup>]</b>  | 67.89 cm <sup>3</sup>   |
| <b>Technology</b>   | Reciprocating   |
| <b>Test dif [bar] [Max]</b>   | 30 bar  |
| <b>Test HP [bar] [Max]</b>  | 30 bar  |
| <b>Test LP [bar] [Max]</b>  | 25 bar  |
| <b>Torque earth [Nm]</b>  | 3 N-m   |
| <b>Torque power [Nm]</b>  | 3 N-m   |
| <b>Total height [mm]</b>  | 356 mm  |
| <b>Type</b>   | MT040   |
| <b>UK RoHS compliance</b>   | Out of scope  |
| <b>Viscosity [cP]</b>   | 32 cP   |
| <b>Winding resistance for three-phase compressors with identical windings [Ohm]</b> | 4.05 Ohm  |